Remarks: See §9.3.1, page 337 till 351.

Answers:

$N^{(1)} = +160\sqrt{2}$ kN $= +226{,}27$ kN

$N^{(2)} = -180$ kN

$N^{(3)} = -60$ kN

Remarks:

Member (1): Moment equilibrium about hinged support A, of the part right on the right of line a

Member (2): Moment equilibrium about B of the part right of b

Member (3): Vertical force equilibrium of the part right of line c.